

# International Web-Conference

On

**New Trends in Agriculture, Environmental & Biological Sciences for  
Inclusive Development**

(NTAEBSID-2020)

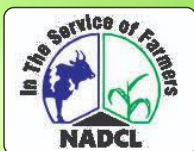
**21-22 June, 2020**

**Venue: By online mode (Jitsi Meet Video Conferencing App)**

**Organized by**



**Agro Environmental  
Development Society (AEDS),  
India  
([www.aedsi.org](http://www.aedsi.org))**



**National Agriculture  
Development Co-operative Ltd.,  
Baramulla, India  
([www.nadclag.in](http://www.nadclag.in))**

**Co-Organized by**



**Babasaheb Bhimrao Ambedkar University  
(A Central University),  
Lucknow, India  
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**Departamento de Biología Molecular Biotechnology,  
Universidad Nacional Autónoma de México (UNAM)  
Mexico City, Mexico  
([www.unam.mx](http://www.unam.mx))**

**In Association With**



**Plant Pathology Research Institute,  
ARC, Cairo University Giza,  
Egypt  
([www.arc.sci.eg](http://www.arc.sci.eg))**





## About the Society

The Agro Environmental Development Society (AEDS) is a scientific organization registered under the Societies Registration Act 21, 1860. The prime objective of the organization is to promote the scientific awareness and sustainable development of agriculture, environment and biological sciences for the welfare of human being. The society is also committed to explore the scientific development across the world and has taken initiative to provide a platform to the scientists, researcher, policy makers and scholars to solve and discuss various issues relating to agricultural and environmental development. AEDS had organized first International conference at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad, Uttar Pradesh, India in association with Pondicherry Institute of Agricultural Sciences (PIAS), Pondicherry and Centre for Environment & Agricultural Development (CEAD), Pondicherry on November 27-29, 2018 and became a great success with an impressive turnout of around 600 participants from all around the country along with the foreign delegates. The 2<sup>nd</sup> International Conference was held at Dr. Y.S. Parmar University of Horticulture and Forestry, Solan, Himachal Pradesh on September 27-29, 2019. On this occasion, nearly 800 participants (Scientists, Academicians, Industries Person and Students) were participated from India and abroad to discuss their views on the diverse field of Agriculture, Environment and Biological Sciences.

## About the International Conference

Sustainable development is a fundamental principle for meeting human development goals while at the same time sustaining the ability of natural systems to provide the natural resources and ecosystem services upon which the economy and society depend. The challenges associated with environmental sustainability make it essential to bring together the disciplines of the agricultural, environmental and biological sciences to address the today's environmental challenges for sustainable development. This conference will also bring out the significance of the biological science and forests for sustainable development and food security as forests support sustainable agriculture by stabilizing soils and climate, regulating water flow, providing shade and shelter and providing a habitat for pollinators and natural predators of agricultural pests and when integrated judiciously into agricultural landscapes, trees can increase agricultural productivity. The broad scope of sustainable development suggests that virtually any social, economic or environmental process or challenge amenable to scientific understanding may potentially be relevant. Emergence, meanwhile, could signify the novelty or intensification of some of those issues, fresh understanding of their causes or consequences, the development of new management options, or the identification of issues that have gone previously unrecognized. Therefore, the present international conference “**New Trends in Agriculture, Environmental & Biological Sciences for Inclusive Development (NTAEBSID-2020)**” provides a forum to discuss such emerging issues and advances in the areas of agriculture, environment and biological science to promote the sustainable development of our society. The international conference will be a best amalgamation of eminent scientists, researchers, scholars, and students who will share the latest developments in the relevant fields to promote the sustainable development.

## Themes and Subthemes of the Conference:

### 1. Recent Advances in Agriculture and Allied Sciences

- Agriculture Resource Management: Frontier aspects in agricultural waste management for environmental sustainability
- Climate smart agriculture systems: Transforming food systems under a changing climate'
- Sustainable rural livelihood systems and doubling farmers income through the innovative strategies
- Horticulture as growth engine of farming sector and recent advances in horticulture and allied sciences
- Crop production technology and precision agriculture
- Soil health management and conservation of natural resources

- Integrated management of nutrient with special emphasis to micronutrient
- Eco-friendly management of conventional and newly emerging plant disease and insect pests
- Applied aspects of soil and agricultural microbiology
- Recent advances in dairy, food Science and technology
- Business and marketing in the agricultural sector for increasing livelihood
- Agriculture engineering, soil and water conservation, and food processing
- Recent advances in fisheries and allied sciences

## **2. Natural Resource Management and Forest Sustainability**

- Management of land, water and human resources for sustainable agriculture, horticulture and forestry
- Sustainable hill farming for livelihood security
- Forest protection and management
- Finding synergies between forestry, agriculture, water and energy
- The role of urban forests in fuelling and feeding cities and providing environmental and social services
- Integrating forests and other land uses
- Forest landscape management
- Aquatic bio-diversity conservation and its management
- Livelihood opportunities and security in fish farming and allied sector
- Climate change adaptation and mitigation strategies for hilly areas
- Diversification and integrated farming system for sustainability and their socio-economic implications
- Bio industrial waste and contaminated soils management and community participation
- Indigenous traditional knowledge

## **3. Recent Trends in Environmental Sustainability**

- Frontier aspects in biotic and abiotic stress management
- Aquatic environment and disease management
- Aquatic pollution due to industrial waste, problems and mitigation strategies
- Environmental development and biodiversity conservation
- Earth science, land use change, and management
- Advances in environmental microbiology and environmental engineering
- Climate change and its effect on environmental ecology and mitigation strategies
- Environmental chemistry, toxicology, health hazards and solution
- Environmental pollution and management
- Bioremediation of contaminated sites through innovative approaches
- Nanotechnology in water and wastewater treatment

## **4. Applied Aspects in Biological and Allied Sciences**

- Emerging and applied aspect of plant and animal sciences in developmental biology
- Application of biotechnology, bioinformatics, enzymology, gene mapping, genetic engineering, molecular and cellular biology, for the development of science and technology
- Importance of medicinal and aromatic plants in the pharmaceutical sector

- Bioresources and technologies used for biofuel production
- Applied aspects of microbiology in food, medical, industrial, agricultural and environmental development
- Microbial ecology and diversity in different habitats
- Cultivation of useful microbes for agro-environmental sustainability
- Applied aspects medical and pharmaceutical science in public healthcare
- Application of multidisciplinary knowledge in field of biomedical sciences

## 5. Emerging Issues in Pharmaceutical and Applied Sciences for Sustainable Development

- Role of pharmaceutical science in drug design and development
- Role of industries in the development of pharmaceutical science
- Pharmaceutical manufacturing technology and engineering
- Biopharmaceutics, pharmacokinetics and metabolism
- Application of ancient knowledge of drugs in form of active constituents in field of pharmacy
- Synthesis and biological screening of synthetic compounds and natural products for discovery of new drug
- Application of intellectual property rights (IPR) in science and technology
- Frontier aspects in computational biology for metagenomics analysis
- Advances in materials science, engineering, and technology
- Applied aspects in pharmacy, chemistry, physics, statistics and nano-science and nano-technology
- Innovative approaches in computer science, mechanical, and electrical engineering
- Role of the computer in the development of bioinformatics and biotechnology

## Conference Awards and Honors

Interested candidates are requested to submit their details and updated CV to claim the awards (listed below) through e-mail to [aedswebinar2020@gmail.com](mailto:aedswebinar2020@gmail.com) on or before June 19, 2020. Society contribution for life members INR-2500/- & Non-Members INR-3000/- can be paid by NEFT/Net Banking/Online/Cash in favor of “Agro Environmental Development Society” payable at Saifni (State Bank of India, Account No. 37836254237, IFSC Code: SBIN0018205). Key contact for award confirmation: [aedswebinar2020@gmail.com](mailto:aedswebinar2020@gmail.com) Mob: +91-6394082801, +91-7881117635.

### Awards Categories

Life Time Achievement Award	Eminent Scientist award	Young Agriculture Engineering Award
Best Research Scholar Award	Young Microbiologist Award	Excellence in Extension Award
Outstanding/Best M.Sc./M.Tech./ Ph.D. Thesis Award	Young Environmentalist Award	Excellence in Teaching Award
Young Scientist Award	Outstanding Achievement Award	Best KVK Scientist Award
Scientist of the Year Award	Best Senior Scientist Award and Distinguished Scientist Award	Young Biotechnologist Award
Young Woman Scientist Award	Scientist Associate Award	Excellence in Research Award
Best Fisheries Scientist Award	Young Fisheries Scientist Award	Young Woman Fisheries Scientist Award
Young Plant Pathologist Award	Best Academician Award	Young Agriculturist Award
Young Horticulturist Award	Best Forest Ranger Award	Young Plant Breeder Award
Young Professional Award	Young Agrometeorologist Award	Young Entomologist Award



**AEDS-2020 Special Award: Prof. K.C. Mehta Memorial Award (In the field of Plant Pathology)**

**Call for Abstracts / Full-Length Papers**

Participants are invited to submit abstracts on their original and unpublished research work (maximum 300 words & 06 keywords) that should be written in Times New Roman font, double line spacing with 12 font size using Microsoft word. Corresponding authors must be highlighted by asterisk (\*) with complete mailing address. Authors are also requested to submit their own research work in the form of research and review papers on the diverse field of agricultural, environmental and biological sciences, not exceeding 5000 words for publishing in following International Journal. Papers/abstract to be submitted online along with registration form at [aedswebinar2020@gmail.com](mailto:aedswebinar2020@gmail.com)

**(A) International Journal: Journal of Pharmacognosy and Phytochemistry (NAAS rating 5.21)**

Official peer review International index Journal

**(B) International Journal: Journal of Entomology and Zoology Studies (NAAS rating 5.53)**

Monthly peer reviewed open access International Journal

Publication Fee Details		
Name of Journal/ Publisher	NAAS Rating	Full length Paper Publishing Charges (INR)
<b>International Journal: Journal of Pharmacognosy and Phytochemistry</b> *Paper should be sent in a proper formats (Download sample paper <i>via</i> : <a href="http://www.phytojournal.com">www.phytojournal.com</a> )	<b>5.21</b>	<b>2000/-</b>
<b>International Journal: Journal of Entomology and Zoology Studies</b> *Paper should be sent in a proper formats (Download sample paper <i>via</i> : <a href="http://www.entomoljournal.com">www.entomoljournal.com</a> )	<b>5.53</b>	<b>3000/-</b>

**Conference Session**

The conference session covering all the themes and subthemes will be supported by the Invited Talk, Lead Talk, Oral Presentation and Poster Presentation by eminent and leading Scientists, Teaching Faculties and Research Scholars from India and abroad on the relevant topics of the International Conference through online mode (Jitsi Meet Video Conferencing App)

**\*Note: Hard copy of conference certificates and Awards will be send by Indian Speed Post to all registered participants and eligible candidates for the respective award.**

Conference Registration Fee		
Categories	SAARC Countries (INR)	Others Countries (USD)
<b>Students (UG &amp; PG)</b>	<b>600</b>	<b>40</b>
<b>Ph.D. Scholar, JRF&amp; SRF</b>	<b>700</b>	<b>42</b>
<b>Delegates/Scientist/ Professionals, RA &amp;PDF</b>	<b>1000</b>	<b>50</b>

**\*Note:** Conference Registration/Society Contribution Fee is Non Refundable/Non-Transferable and registration fee will cover only hard copy of conference certificate, will be send by Indian Speed Post to all registered participants. For further queries and assistance, please contact to Organizing Secretary, Dr. Chhatarpal Singh, E-mail: [cpsingh.2012@gmail.com](mailto:cpsingh.2012@gmail.com), Mob: +91-6394082801, +91-7881117635.

### Mode of Payment & Account Details

Name of the Account	AgroEnvironmental Development Society
Name of the Bank	State Bank of India
Bank Address	SBI, Saifni Shahabad, Bilari Road, Saifni, Rampur-244922, UP
Account Number	37836254237
IFSC Code	SBIN0018205
MICR Code	244002161

### Important Dates

<b>Last Date of Registration</b>	18 June, 2020
<b>Last Date of Award Application</b>	19 June, 2020

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# International Web-Conference

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New Trends in Agriculture, Environmental & Biological Sciences for Inclusive Development  
(NTAEBSID-2020)

21-22 June, 2020

Venue: By online mode(Jitsi Meet Video Conferencing App)

## Registration form

Name: Mr. Ms. Dr. Prof. (In Block Letter): \_\_\_\_\_

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Category of Participation: Faculty/Scientist/Research Scholar/Students/Others \_\_\_\_\_

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Total Amount (Rs.).....

Date: .....

Place :

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Signature of Applicant

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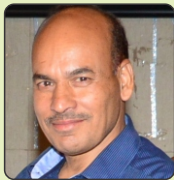

### Inaugural Address

Prof. Sanjay Singh, Hon'ble, Vice Chancellor, BB Ambedkar University  
(A Central University)  
Lucknow, U.P. (INDIA)




## List of Eminent Speakers

### International Speakers

S.No.	Speaker	Name	Address
1.		Dr. Sunil Kaul	Chief Senior Research Scientist, AIST, Japan/ Adjunct Professor, Dept. of Bioengineering, Hanyang University, Seoul, Korea/ Honorary Scientist, Faculty of Medicine, University of Sydney, CMRI (AUSTRALIA)
2.		Prof. Krishna Raj Tiwari	Dean & Professor Institute of Forestry, Tribhuvan University Kathman du (NEPAL)
3.		Dr. Sanjay Kumar Jha	Associate Professor, Central Department of Botany, Tribhuvan University, Kathmandu (Nepal)
4.		Dr. Shinji MIYAMOTO	Associate Professor, Department of Biosphere - Geosphere Science, Okayama University of Science. Ridai-cho 1-1, Kita-ku, Okayama City Okayama (JAPAN)
5.		Dr. Malik Mohammad	Pest Management Specialist Plant Protection Directorate Gezira (SUDAN)

6.		Dr. Mohamed AbdAllahAboEl - EneenMabrouk	Scientist, Plant Pathology Research Institute, Agricultural Research Center, Cairo University ST., Giza (EGYPT)
7.		Dr. Jit Narayan Sah	Associate Professor and Assistant Dean Institute of Forestry, Pokhara, Tribhuvan University, Kathmandu (NEPAL)
8.		Dr. Ajit Kumar Passari	Faculty, Departamento de Biologia Molecular y Biotechnologia, Universidad NacionalAutonoma de Mexico (UNAM) Mexico City (MEXICO)

### National Speakers

1.		Prof. H.R. Gautam	Professor & Head, Department of Plant Pathology, Dr. YS University of Horticulture & Forestry, Solan, H.P. (INDIA)
2.		Dr. D.B. Parakh	Ex-Principal Scientist, NBPGR, ICAR, New De lhi (INDIA)
3.		Prof. K.P. Singh	Professor, Department of Plant Pathology, GBPUA & T, Pantnagar, Uttarakhand (INDIA)
4.		Prof. Satpal Singh Bisht	Professor, Department of Zoology, Kumaun University Nainital, Uttarakhand (INDIA)

5.		Dr. Sajeed Ali	Associate Professor Regional Research Station Hill Zone, UBKV Kalimpong , West Bengal (INDIA)
6.		Dr. Rekha Balodi	Scientist, NCIPM, ICAR, New Delhi (INDIA)
7.		Dr. Abhijit Ghatak	Assistant Professor cum Scientist, Bihar Agricultural University, Sabour, Bihar (INDIA)
8.		Dr. Jay Shankar Singh	Assistant Professor, DEM, BBA University Lucknow, U.P. (INDIA)
9.		Dr. Vishal M. Balaramnavar	Associate Professor DPC, GIPER, Kashipur, Uttarakhand (INDIA)
10.		Dr. GN Jha	Senior Scientist, SKUAST, Jammu, Jammu & Kashmir, (INDIA)
11.		Dr. Mamta Shukla,	DIM, DBPG, College, Raebareili, UP (INDIA)
12.		Dr. AjarNathYadav	Assistant Professor, Eternal Univer sity, Sirmour, Himachal Pradesh (INDIA)
13.		Dr. Baswaraj Raigond	Senior Scientist, Central Potato Research Institute, Shimla, H.P. (INDIA)



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**\*Note: Hard copy of conference certificates and Awards will be send by Indian Speed Post to all registered participants and eligible candidates for the respective award.**